

REMARKS

Reconsideration and allowance in view of the foregoing amendment and the following remarks are respectfully requested.

Claims 1-26 are pending, claims 1-18 having been amended and claims 19-26 having been added.

Applicants wish to thank the Examiner for agreeing that claims 5-9 and 14-18 include allowable subject matter.

In the outstanding Office Action, the Examiner rejected claims 1-4 and 10-13 under 35 U.S.C. 102(e) as allegedly being anticipated by U.S. Patent No. 6,445,924 to Rasanen, and objected to claims 5-9 and 14-18 for depending upon a rejected base claim.

Rejection of Claims 1-4 and 10-13 under 35 U.S.C. 102(e)

Applicants respectfully traverse the rejection with respect to claims 2-4 and 11-13. Applicants submit that amended claims 1 and 10 obviate the rejection. Applicants further submit that the amendment to claims 2-9 and 11-18 were made only to improve form.

Claim 1 recites a method for optimizing radio coverage in a radio communication network. The method comprises, among other things, generating and displaying a report related to data received from a switch, the report including areas of a communication network providing sufficient, deficient or redundant radio coverage in the communication network.

Rasanen discloses a method and a system which performs handover due to cell loading. See column 5, lines 10-14. On page two of the Office Action, the Examiner alleges that Rasanen discloses, in Figure 3 and column 3, lines 34-67, generating a report related to data received from a switch, the report indicating areas of a communication network providing sufficient, deficient

or redundant radio coverage in the communication network. Rasanen discloses a base station controller reporting, to a mobile switching center, the number of free channels in each interference level class and its transmitted resource indication message. See column 3, lines 31-33. The base station controller also reports on the utilization rate of a cell's capacity to the mobile switching center. See column 3, lines 25-27. The mobile switching center analyzes the reported information and determines whether a traffic-based handover should be performed based on the information. See column 3, lines 34-38. Rasanen, however, completely fails to disclose generating and displaying a report related to the data received by the switch, as recited in claim 1. The report generated in the system of Rasanen is not displayed and is merely for the mobile switching center to determine whether a handover should be performed. Therefore, Applicants submit that claim 1 is not anticipated by Rasanen and respectfully request that the rejection to claim 1 be withdrawn.

Claims 2-4 depend from claim 1, either directly or indirectly, and therefore, are not anticipated by Rasanen for at least the reasons discussed above regarding claim 1. Therefore, Applicants respectfully request that the rejection of claims 2-4 be withdrawn.

Claim 10 recites a system comprising a monitoring device that is configured to query a switch for data related to radio coverage provided by base station receivers and to generate and to display a report related to the data received by the switch, the report indicating areas of the system providing sufficient, deficient or redundant radio coverage by the base station receivers. As previously stated, Rasanen does not disclose a monitoring device that is configured to generate and display a report related to the data received by the switch, as recited in claim 10. Therefore, Applicants submit that claim 10 is not anticipated by Rasanen and respectfully request that the rejection of claim 10 be withdrawn.

Claims 11-13 depend from claim 10, either directly or indirectly, and are not anticipated by Rasanen for at least the reasons discussed above regarding claim 10.

Further, claims 2-4 recite a method, wherein the sending the data to a monitoring device further comprises, among other things, determining a total number of messages received for each of the base station receivers in the communication network for a specified period of time. Similarly, claims 11-13 recite a system, comprising a switch, wherein the switch is further configured to determine a total number of messages received for each of the base station receivers for a specified period of time. The Examiner alleges, on page three of the Office Action, that Rasanen discloses determining a total of messages received for each base station in the communication network for a period of time. The Examiner indicates that Rasanen, Figure 1 and column 1, lines 51- column 2, line 35 disclose this feature.

The above-cited section of Rasanen discloses that mobile stations measure signals sent by base transceiver stations and when required, request a connection setup from the base transceiver station which is serving best at each time (column 1, lines 51-54). In an active call state, a mobile station sends measuring results regularly as a report message through the serving base transceiver station to a base station controller (column 1, lines 58-60). The report message includes the messaging results of signal strengths of the serving base transceiver station and no more than six adjacent base transceiver stations that provide the best signal (column 1, lines 61-64). Further, the base transceiver station performs measurements regarding connection quality (column 1, lines 64-66). The results of the measurements performed by mobile stations and base transceiver stations are analyzed in the base station controller (column 1, line 66 to column 2, line 1). The base station controller also maintains information regarding free channels in base transceiver stations of its subordinated cells (column 2, lines 1-3). Handover of the mobile

station may occur when signal quality is low and a better signal level can be obtained from an ambient cell, when a mobile station has moved too far from the serving base transceiver station, or when there is too much load in the serving cell (column 2, lines 6-11 and 14-16. Rasanen is completely silent regarding determining a total number of messages received for each of the base station receivers in the communication network for a specified period of time, as recited in claims 2-4 and as similarly recited in claims 11-13.

Claim 3 recites a method, wherein sending the data to a monitoring device further comprises, among other things, determining a total number of unique messages received for each of the base station receivers for the specified period of time, each of the unique messages indicating a message received by only a respective one of the base station receivers. Claim 12 recites a system having a similar feature. Rasanen fails to disclose or suggest determining a total number of unique messages received for each of the base station receivers, wherein a unique message indicates a message received by only a respective one of the base station receivers, as recited in claim 3 and as similarly recited in claim 12.

Claim 4 depends from claims 1-3 and recites a method, wherein sending the data to a monitoring device further comprises, among other things, determining a total number of shared messages received for each of the base station receivers for the specified period of time, the shared messages indicating those messages that were also received by another of the base station receivers. Claim 13 depends from claims 10-12 and is directed to a system reciting a feature similar to the feature of claim 4, discussed above. Rasanen is completely silent regarding shared messages that were also received by another base receiver. Further, Rasanen does not disclose or suggest determining a number of shared messages received by each of the base station receivers for the specified period of time, as recited in claim 4 and as similarly recited in claim 13.

Objection to Claims 5-9 and 14-18

On page three of the Office Action, the Examiner objected to claims 5-9 and 14-18 as allegedly being dependent upon a rejected base claim, but as otherwise being allowable.

Applicants submit that, at least for the reasons discussed above, claims 5-9 and 14-18 depend from allowable claims. Therefore, Applicants respectfully request that the objection to claims 5-9 and 14-18 be withdrawn.

New Claims

New claims 19-26 depend from either claim 1 or claim 10, as a base claim, and are patentable at least for the reasons discussed above, as well as for reciting other features not disclosed or suggested by the cited reference.

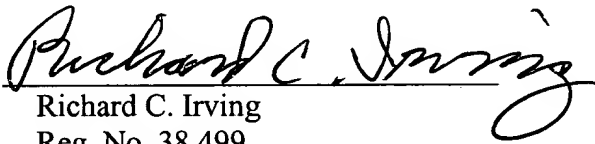
Conclusion

Applicants submit that claims 1-26 are allowable and a notice to that effect is earnestly solicited.

To the extent necessary, a petition for an extension of time under 37 C.F.R. § 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 13-2491 and please credit any excess fees to such deposit account.

Respectfully submitted,

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